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<p>(51) International Patent Classification⁶ : C12N 15/13, C07K 16/46, 16/28, A61K 39/395</p>	<p>A3</p>	<p>(11) International Publication Number: WO 97/17446 (43) International Publication Date: 15 May 1997 (15.05.97)</p>
<p>(21) International Application Number: PCT/US96/17875 (22) International Filing Date: 7 November 1996 (07.11.96) (30) Priority Data: 08/554,840 7 November 1995 (07.11.95) US (71) Applicant: IDEC PHARMACEUTICAL CORPORATION [US/US]; 11011 Torreyana Road, San Diego, CA 92121-1104 (US). (72) Inventors: BLACK, Amelia; 2251 1/2 Oxford Avenue, Cardiff, CA 92007 (US). HANNA, Nabil; 3255 Fortuna Ranch Road, Olivenhian, CA 92024 (US). PADLAN, Eduardo, A.; 4006 Simms Drive, Kensington, MD 20895 (US). NEWMAN, Roland, A.; 4311 Robbins Street, San Diego, CA 92122 (US). (74) Agents: TESKIN, Robin, L. et al.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313-1404 (US).</p>	<p>(81) Designated States: AU, CN, FI, HU, JP, KR, NO, NZ, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 25 September 1997 (25.09.97)</p>	
<p>(54) Title: HUMANIZED ANTIBODIES TO HUMAN gp39, COMPOSITIONS CONTAINING AND THERAPEUTIC USE THEREOF (57) Abstract The present invention is directed to humanized antibodies which bind human gp39 and their use as therapeutic agents. These humanized antibodies are especially useful for treatment of autoimmune diseases.</p>		

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 96/17875

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 C12N15/13 C07K16/28 C07K16/46 A61K39/395

According to International Patent Classification (IPC) or to both national classification and IPC.

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 C12N C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 95 28957 A (TRUSTEES OF DARTMOUTH COLLEGE ET AL.) 2 November 1995 see examples see claims	1-3,14, 17,25, 28,29
A	--- EP 0 519 596 A (MERCK & CO. INC. ET AL.) 23 December 1992 see example see claims	1-5,7-14
A	--- WO 95 06666 A (TRUSTEES OF DARTMOUTH COLLEGE) 9 March 1995 see examples see claims --- -/-	25-31

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *A* document member of the same patent family

Date of the actual completion of the international search

22 July 1997

Date of mailing of the international search report

07.08.97

Name and mailing address of the ISA

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Nooij, F

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 96/17875

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SCIENCE, vol. 261, no. 5126, 3 September 1993, WASHINGTON, DC, USA, pages 1328-1330, XP002035702 F. DURIE ET AL.: "Prevention of collagen-induced arthritis with an antibody to gp39, the ligand for CD40." cited in the application see the whole document ---</p>	25-27,30
P,X	<p>WO 96 23071 A (BRISTOL-MYERS SQUIBB COMPANY) 1 August 1996 see examples see claims -----</p>	1-31

INTERNATIONAL SEARCH REPORT

international application No.

PCT/US 96/ 17875

Box I (Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet))

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 25-31
because they relate to subject matter not required to be searched by this Authority, namely:
Remark: Although claim(s) 25-31
is(are) directed to a method of treatment of the human/animal
body, the search has been carried out and based on the alleged
effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such
an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II (Observations where unity of invention is lacking (Continuation of item 2 of first sheet))

This International Searching Authority found multiple inventions in this international application, as follows:

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INTERNATIONAL SEARCH REPORT

international application No.

PCT/US 96/17875

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

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because they relate to subject matter not required to be searched by this Authority, namely:
Remark: Although claim(s) 25-31
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an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

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2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment
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3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report
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INTERNATIONAL SEARCH REPORT

international application No.

PCT/US 96/17875

Box I (Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet))

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 96/17875

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